

## Abstract

An antenna of this invention has a ground pattern and a planar element having a cut-out portion from an edge portion farthest from a feed position toward the ground pattern side, and the ground pattern and the planar element are juxtaposed with each other. By providing the cut-out portion, the miniaturization can be realized and current paths to obtain radiation in the low frequency range can be secured. In addition, because the planar element and the ground element are juxtaposed with each other, the volume necessary for the implementation is reduced, and it becomes easy to control the antenna characteristic, particularly, the impedance characteristic, thereby the broad bandwidth can be achieved.

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